MAYO CLINIC LABORATORIES

Targeted Gene Fusions for MayoComplete Targeted RNAseq Panel

The following applies to MCRSP / MayoComplete Targeted RNA Sequencing Panel, Next-Generation Sequencing. Next-generation sequencing (NGS) is performed to test for the presence of somatic gene fusions, known abnormal transcript variants in *MET* (exon 14 skipping) and *EGFR* (splice variants vII, vIII, vIVa, and vIVb), and *BCOR* exon 15 internal tandem duplications. When appropriate, variants detected are confirmed by an independent reference method, such as Sanger sequencing.

Refer to the table below for gene coverage for fusion analysis. Coverage includes the 5'UTR (including associated noncoding exons), coding exons/regions, and partial coverage (first 120 base pairs) of the 3'UTR, based off the associated reference transcript. For specific questions regarding gene regions covered by this assay, contact the laboratory at 800-533-1710.

Genomic Build: GRCh37 (hg19) unless otherwise specified

Gene	Transcript	Gene	Transcript	Gene	Transcript
ABI1	NM_001012750.3	*FYN*	NM_002037.5	*PIK3R3*	NM_003629.4
ABL1	NM_005157.6	*GAB1*	NM_002039.4	*PIM1*	NM_002648.4
ABL2	NM_007314.4	*GAB2*	NM_080491.3	*PKD1*	NM_001009944.3
ABRAXAS1	NM_139076.3	*GABBR2*	NM_005458.8	*PKD1L1*	NM_138295.5
ACBD6	NM_032360.4	*GABRA6*	NM_000811.3	*PKN1*	NM_002741.5
ACKR3	NM_020311.3	*GADD45B*	NM_015675.4	*PLA2R1*	NM_007366.5
ACLY	NM_001096.3	*GAS6*	NM_000820.4	*PLAG1*	NM_002655.3
ACSL3	NM_004457.5	*GAS7*	NM_201433.2	*PLCB4*	NM_001377142.1
ACSL6	NM_001009185.3	*GATA1*	NM_002049.4	*PLCG1*	NM_002660.3
ACTB	NM_001101.5	*GATA2*	NM_032638.5	*PLCG2*	NM_002661.5
ACTG1	NM_001614.5	*GATA3*	NM_001002295.2	*PLK2*	NM_006622.4
ACTL6A	NM_004301.5	*GATA4*	NM_001308093.3	*PLPP3*	NM_003713.5
ACVR1	NM_001111067.4	*GATA6*	NM_005257.6	*PLXND1*	NM_015103.3
ACVR1B	NM_004302.5	*GEMIN2*	NM_003616.3	*PMAIP1*	NM_021127.3
ACVR2A	NM_001616.5	*GEN1*	NM_001130009.3	*PML*	NM_033238.3
ADGRA2	NM_032777.10	*GFI1*	NM_005263.5	*PMS1*	NM_000534.5
ADGRF5	NM_001098518.2	*GFI1B*	NM_001377304.1	*PMS2*	NM_000535.7
AFAP1	NM_001134647.2	*GFPT1*	NM_001244710.2	*PNRC1*	NM_006813.3
AFAP1L2	NM_001001936.3	*GID4*	NM_024052.5	*POLD1*	NM_002691.4
AFDN	NM_001386888.1	*GLI1*	NM_005269.3	*POLE*	NM_006231.4
AFF1	NM_001166693.3	*GLI2*	NM_001374353.1	*POLG*	NM_002693.3
AFF3	NM_001386135.1	*GLI3*	NM_000168.6	*POLQ*	NM_199420.4
AFF4	NM_014423.4	*GLIS1*	NM_001367484.1	*POLR2A*	NM_000937.5
AGBL4	NM_032785.4	*GLIS2*	NM_032575.3	*POR*	NM_001382659.3
AGK	NM_018238.4	*GLIS3*	NM_001042413.2	*POT1*	NM_015450.3
AGO1	NM_012199.5	*GMDS*	NM_001500.4	*POU2AF1*	NM_006235.3
AGO2	NM_012154.5	*GMPS*	NM_003875.3	*POU5F1*	NM_002701.6
AGPAT5	NM_018361.5	*GNA11*	NM_002067.5	*PPARG*	NM_138711.6
AGTRAP	NM_020350.5	*GNA12*	NM_007353.3	*PPFIBP1*	NM_003622.4
AHRR	NM_001377236.1	*GNA13*	NM_006572.6	*PPFIBP2*	NM_003621.5
AJUBA	NM_032876.6	*GNA14*	NM_004297.4	*PPM1D*	NM_003620.4
AKAP13	NM_007200.5	*GNAI1*	NM_002069.6	*PPP1CB*	NM_002709.3

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MC4091-458rev0526

Targeted Gene Fusions for MayoComplete Targeted RNAseq Panel (continued)

Gene	Transcript	Gene	Transcript	Gene	Transcript
AKAP9	NM_005751.5	*GNAQ*	NM_002072.5	*PPP2R1A*	NM_014225.6
AKT1	NM_001382430.1	*GNAS*	NM_000516.7	*PPP2R2A*	NM_002717.4
AKT2	NM_001626.6	*GNB1*	NM_002074.5	*PPP4R2*	NM_174907.4
AKT3	NM_005465.7	*GNRHR*	NM_000406.3	*PPP6C*	NM_002721.5
ALB	NM_000477.7	*GOLGA5*	NM_005113.4	*PRAME*	NM_206956.3
ALDH2	NM_000690.4	*GOPC*	NM_020399.4	*PRCC*	NM_005973.5
ALK	NM_004304.5	*GPBP1L1*	NM_021639.5	*PRDM1*	NM_001198.4
ALOX12B	NM_001139.3	*GPC3*	NM_004484.4	*PRDM10*	NM_199437.2
AMER1	NM_152424.4	*GPHN*	NM_020806.5	*PRDM14*	NM_024504.4
ANK3	NM_020987.5	*GPS2*	NM_004489.5	*PRDM16*	NM_022114.4
ANKRD11	NM_013275.6	*GRB7*	NM_005310.5	*PREX2*	NM_024870.4
ANKRD26	NM_014915.3	*GREM1*	NM_013372.7	*PRF1*	NM_001083116.3
AP3B1	NM_003664.5	*GRIN2A*	NM_001134407.3	*PRKACA*	NM_002730.4
APC	NM_000038.6	*GRM3*	NM_000840.3	*PRKACB*	NM_182948.4
APH1A	NM_001077628.3	*GSK3B*	NM_001146156.2	*PRKAR1A*	NM_002734.5
APLNR	NM_005161.6	*GTF2I*	NM_032999.4	*PRKAR2A*	NM_004157.4
APOBEC3B	NM_004900.5	*GTF2IRD1*	NM_005685.4	*PRKAR2B*	NM_002736.3
AR	NM_000044.6	*GTSE1*	NM_016426.7	*PRKCA*	NM_002737.3
ARAF	NM_001654.5	*H1-2*	NM_005319.4	*PRKCB*	NM_002738.7
ARFGEF2	NM_006420.3	*H1-3*	NM_005320.3	*PRKCD*	NM_006254.4
ARFIP1	NM_001025595.3	*H1-4*	NM_005321.3	*PRKCE*	NM_005400.3
ARFRP1	NM_001267547.3	*H1-5*	NM_005322.3	*PRKCI*	NM_002740.6
ARHGAP26	NM_001135608.3	*H2AC11*	NM_021064.5	*PRKD1*	NM_002742.3
ARHGAP35	NM_004491.5	*H2AC16*	NM_003511.3	*PRKD2*	NM_016457.5
ARHGAP6	NM_013427.3	*H2AC17*	NM_003514.2	*PRKD3*	NM_005813.6
ARHGEF12	NM_015313.3	*H2AC6*	NM_003512.4	*PRKDC*	NM_006904.7
ARHGEF28	NM_001177693.2	*H2BC11*	NM_021058.4	*PRKN*	NM_004562.3
ARID1A	NM_006015.6	*H2BC12*	NM_001312653.2	*PRR12*	NM_020719.3
ARID1B	NM_001374828.1	*H2BC17*	NM_003527.4	*PRRX1*	NM_022716.4
ARID2	NM_152641.4	*H2BC4*	NM_003526.3	*PRSS1*	NM_002769.5
ARID3A	NM_005224.3	*H2BC5*	NM_021063.4	*PRSS8*	NM_002773.5
ARID3B	NM_006465.4	*H2BC8*	NM_003518.4	*PSEN2*	NM_000447.3
ARID3C	NM_001017363.4	*H3-3A*	NM_002107.7	*PSIP1*	NM_033222.5
ARID4A	NM_002892.4	*H3-3B*	NM_005324.5	*PTBP3*	NM_001163788.4
ARID4B	NM_016374.6	*H3-4*	NM_003493.3	*PTCH1*	NM_000264.5
ARID5A	NM_212481.3	*H3-5*	NM_001013699.3	*PTCH2*	NM_003738.5
ARID5B	NM_032199.3	*H3C1*	NM_003529.3	*PTEN*	NM_000314.8
ARNT	NM_001668.4	*H3C10*	NM_003536.3	*PTK2B*	NM_173176.3
ARRDC1	NM_152285.4	*H3C11*	NM_003533.3	*PTK6*	NM_005975.4
ASIC2	NM_183377.2	*H3C12*	NM_003535.3	*PTK7*	NM_002821.5
ASMTL	NM_004192.4	*H3C13*	NM_001123375.3	*PTP4A1*	NM_003463.5

Targeted Gene Fusions for MayoComplete Targeted RNAseq Panel (continued)

Gene	Transcript	Gene	Transcript	Gene	Transcript
ASPSCR1	NM_024083.4	*H3C14*	NM_021059.3	*PTPN1*	NM_002827.4
ASXL1	NM_015338.6	*H3C15*	NM_001005464.3	*PTPN11*	NM_002834.5
ASXL2	NM_018263.6	*H3C2*	NM_003537.4	*PTPN13*	NM_080683.3
ATF1	NM_005171.5	*H3C3*	NM_003531.3	*PTPN14*	NM_005401.5
ATG4C	NM_032852.4	*H3C4*	NM_001376937.1	*PTPN2*	NM_002828.4
ATG5	NM_004849.4	*H3C6*	NM_003532.3	*PTPN6*	NM_002831.6
ATG7	NM_001349232.2	*H3C7*	NM_021018.3	*PTPRB*	NM_001109754.4
ATIC	NM_004044.7	*H3C8*	NM_003534.3	*PTPRC*	NM_002838.5
ATM	NM_000051.4	*H3P6*	NR_002315.1	*PTPRD*	NM_002839.4
ATP1A1	NM_000701.8	*H4C13*	NM_003546.3	*PTPRK*	NM_002844.4
ATP2B3	NM_001001344.3	*H4C9*	NM_003495.3	*PTPRO*	NM_030667.3
ATP6AP1	NM_001183.6	*HAS2*	NM_005328.3	*PTPRS*	NM_002850.4
ATP6V1B2	NM_001693.4	*HCK*	NM_002110.5	*PTPRT*	NM_007050.6
ATP8B2	NM_001370597.1	*HDAC1*	NM_004964.3	*PTPRZ1*	NM_002851.3
ATR	NM_001184.4	*HDAC4*	NM_001378414.1	*PVT1*	NR_003367.3
ATRX	NM_000489.6	*HDAC7*	NM_015401.5	*QKI*	NM_006775.3
ATXN1	NM_001128164.2	*HERPUD1*	NM_014685.4	*RAB2A*	NM_002865.3
ATXN1L	NM_001137675.4	*HEY1*	NM_012258.4	*RAB35*	NM_006861.7
ATXN2	NM_001372574.1	*HGF*	NM_000601.6	*RABEP1*	NM_004703.6
ATXN7	NM_001377405.1	*HIF1A*	NM_001530.4	*RAC1*	NM_006908.5
AURKA	NM_198437.3	*HIP1*	NM_005338.7	*RAC2*	NM_002872.5
AURKB	NM_004217.4	*HIRA*	NM_003325.4	*RAD21*	NM_006265.3
AXIN1	NM_003502.4	*HLA-A*	NM_002116.8	*RAD50*	NM_005732.4
AXIN2	NM_004655.4	*HLA-B*	NM_005514.8	*RAD51*	NM_002875.5
AXL	NM_021913.5	*HLA-C*	NM_002117.6	*RAD51B*	NM_133510.4
B2M	NM_004048.4	*HLF*	NM_002126.5	*RAD51C*	NM_058216.3
BABAM1	NM_014173.4	*HMGA1*	NM_145899.3	*RAD51D*	NM_002878.4
BACH2	NM_021813.4	*HMGA2*	NM_003483.6	*RAD52*	NM_134424.4
BAIAP2L1	NM_018842.5	*HMGN2P46*	NR_022014.1	*RAD54L*	NM_003579.4
BAP1	NM_004656.4	*HNF1A*	NM_000545.8	*RAF1*	NM_002880.4
BARD1	NM_000465.4	*HNRNPA2B1*	NM_002137.4	*RALGDS*	NM_006266.4
BAX	NM_138761.4	*HNRNPK*	NM_031263.4	*RANBP17*	NM_022897.5
BBC3	NM_014417.5	*HOOK3*	NM_032410.4	*RANBP2*	NM_006267.5
BBS9	NM_198428.3	*HOXA11*	NM_005523.6	*RAP1GDS1*	NM_001100427.2
BCAN	NM_021948.5	*HOXA13*	NM_000522.5	*RARA*	NM_000964.4
BCAS3	NM_017679.5	*HOXA3*	NM_153631.3	*RASA1*	NM_002890.3
BCAS4	NM_198799.4	*HOXA9*	NM_152739.4	*RASA3*	NM_007368.4
BCL10	NM_003921.5	*HOXB13*	NM_006361.6	*RASGEF1A*	NM_145313.4
BCL11A	NM_022893.4	*HOXC11*	NM_014212.4	*RB1*	NM_000321.3
BCL11B	NM_138576.4	*HOXC13*	NM_017410.3	*RBM10*	NM_005676.5
BCL2	NM_000633.3	*HOXD11*	NM_021192.3	*RBM14*	NM_006328.4

Targeted Gene Fusions for MayoComplete Targeted RNAseq Panel (continued)

Gene	Transcript	Gene	Transcript	Gene	Transcript
BCL2L1	NM_138578.3	*HOXD13*	NM_000523.4	*RBM15*	NM_022768.5
BCL2L11	NM_138621.5	*HRAS*	NM_005343.4	*RBMS1*	NM_016836.4
BCL2L2	NM_004050.5	*HSD3B1*	NM_000862.3	*RBPMS*	NM_001008710.3
BCL3	NM_005178.5	*HSP90AA1*	NM_005348.4	*RECK*	NM_021111.3
BCL6	NM_001706.5	*HSP90AB1*	NM_007355.4	*RECQL*	NM_002907.4
BCL7A	NM_001024808.3	*HTN3*	NM_000200.3	*RECQL4*	NM_004260.4
BCL9	NM_004326.4	*ICOSLG*	NM_015259.6	*REL*	NM_001291746.2
BCL9L	NM_001378213.1	*ID3*	NM_002167.5	*RELA*	NM_021975.4
BCOR	NM_001123385.2	*IDH1*	NM_005896.4	*RELN*	NM_005045.4
BCORL1	NM_001379451.1	*IDH2*	NM_002168.4	*REST*	NM_005612.5
BCR	NM_004327.4	*IFNGR1*	NM_000416.3	*RET*	NM_020975.6
BEND2	NM_153346.5	*IGF1*	NM_000618.5	*RGS22*	NM_015668.5
BIRC3	NM_001165.5	*IGF1R*	NM_000875.5	*RHEB*	NM_005614.4
BIRC5	NM_001168.3	*IGF2*	NM_000612.6	*RHEBL1*	NM_144593.3
BLM	NM_000057.4	*IGF2BP3*	NM_006547.3	*RHOA*	NM_001664.4
BMPR1A	NM_004329.3	*IGFBP5*	NM_000599.4	*RHOH*	NM_004310.5
BRAF	NM_004333.6	*IKBKB*	NM_001556.3	*RICTOR*	NM_152756.5
BRCA1	NM_007294.4	*IKBKE*	NM_014002.4	*RIT1*	NM_006912.6
BRCA2	NM_000059.4	*IKZF1*	NM_006060.6	*RMI2*	NM_152308.3
BRD3	NM_007371.4	*IKZF2*	NM_001387220.1	*RNF130*	NM_018434.6
BRD4	NM_001379291.1	*IKZF3*	NM_012481.5	*RNF213*	NM_001256071.3
BRIP1	NM_032043.3	*IL10*	NM_000572.3	*RNF216*	NM_207111.4
BRSK1	NM_032430.2	*IL2*	NM_000586.4	*RNF217-AS1*	NR_026876.1
BTBD1	NM_025238.4	*IL21R*	NM_181078.3	*RNF43*	NM_017763.6
BTG1	NM_001731.3	*IL2RB*	NM_000878.5	*ROBO1*	NM_002941.4
BTG2	NM_006763.3	*IL3*	NM_000588.4	*ROS1*	NM_001378902.1
BTK	NM_000061.3	*IL6R*	NM_000565.4	*RPL10*	NM_006013.5
BTLA	NM_181780.4	*IL6ST*	NM_002184.4	*RPL22*	NM_000983.4
BUB1B	NM_001211.6	*IL7R*	NM_002185.5	*RPL5*	NM_000969.5
C8orf34	NM_052958.4	*INHA*	NM_002191.4	*RPN1*	NM_002950.4
CACNA1D	NM_001128840.3	*INHBA*	NM_002192.4	*RPS2P32*	NR_026676.1
CAD	NM_004341.5	*INPP4A*	NM_001134225.2	*RPS6KA3*	NM_004586.3
CALR	NM_004343.4	*INPP4B*	NM_001101669.3	*RPS6KA4*	NM_003942.3
CAMTA1	NM_015215.4	*INPP5D*	NM_001017915.3	*RPS6KB1*	NM_003161.4
CANT1	NM_001159773.2	*INPPL1*	NM_001567.4	*RPS6KB2*	NM_003952.3
CAPZA2	NM_006136.3	*INSR*	NM_000208.4	*RPS6KC1*	NM_012424.6
CARD11	NM_032415.7	*INTS4*	NM_033547.4	*RPTOR*	NM_020761.3
CARM1	NM_199141.2	*IRF1*	NM_002198.3	*RRAGB*	NM_006064.5
CARMN	NR_105059.1	*IRF2*	NM_002199.4	*RRAGC*	NM_022157.4
CARS1	NM_001014437.3	*IRF2BP2*	NM_182972.3	*RRAS*	NM_006270.5
CASP8	NM_001372051.1	*IRF4*	NM_002460.4	*RRAS2*	NM_012250.6

Targeted Gene Fusions for MayoComplete Targeted RNAseq Panel (continued)

Gene	Transcript	Gene	Transcript	Gene	Transcript
CBFA2T3	NM_005187.6	*IRF8*	NM_002163.4	*RRP15*	NM_016052.4
CBFB	NM_022845.3	*IRS1*	NM_005544.3	*RSPO2*	NM_178565.5
CBL	NM_005188.4	*IRS2*	NM_003749.3	*RSPO3*	NM_032784.5
CBLB	NM_170662.5	*IRS4*	NM_001379150.1	*RSU1P2*	NR_024472.1
CBLC	NM_012116.4	*ITK*	NM_005546.4	*RTEL1*	NM_001283009.2
CCDC149	NM_001395273.1	*ITPR2*	NM_002223.4	*RUNX1*	NM_001754.5
CCDC170	NM_025059.4	*JAG2*	NM_002226.5	*RUNX1T1*	NM_175634.3
CCDC6	NM_005436.5	*JAK1*	NM_002227.4	*RUNX2*	NM_001024630.4
CCER1	NM_152638.4	*JAK2*	NM_004972.4	*RXRA*	NM_002957.6
CCN3	NM_002514.4	*JAK3*	NM_000215.4	*RYBP*	NM_012234.6
CCN6	NM_198239.2	*JARID2*	NM_004973.4	*S100A10*	NM_002966.3
CCNB1IP1	NM_021178.5	*JAZF1*	NM_175061.4	*S1PR2*	NM_004230.4
CCNB3	NM_033031.3	*JPT1*	NM_016185.4	*SALL4*	NM_020436.5
CCND1	NM_053056.3	*JPX*	NR_024582.1	*SAMHD1*	NM_015474.4
CCND2	NM_001759.4	*JUN*	NM_002228.4	*SAV1*	NM_021818.4
CCND3	NM_001760.5	*KAT2B*	NM_003884.5	*SBDS*	NM_016038.4
CCNE1	NM_001238.4	*KAT6A*	NM_006766.5	*SCG5*	NM_001144757.3
CCNQ	NM_152274.5	*KAT6B*	NM_012330.4	*SCRIB*	NM_182706.5
CCNY	NM_145012.6	*KBTBD4*	NM_018095.6	*SDC4*	NM_002999.4
CCT6B	NM_006584.4	*KCNJ5*	NM_000890.5	*SDHA*	NM_004168.4
CD22	NM_001771.4	*KDM2B*	NM_032590.5	*SDHAF2*	NM_017841.4
CD274	NM_014143.4	*KDM4C*	NM_015061.6	*SDHB*	NM_003000.3
CD276	NM_001024736.2	*KDM5A*	NM_001042603.3	*SDHC*	NM_003001.5
CD28	NM_006139.4	*KDM5C*	NM_004187.5	*SDHD*	NM_003002.4
CD36	NM_001001548.3	*KDM6A*	NM_001291415.2	*SEC16A*	NM_014866.2
CD58	NM_001779.3	*KDR*	NM_002253.4	*SEC31A*	NM_001077207.4
CD63	NM_001780.6	*KDSR*	NM_002035.4	*SEMA6A*	NM_020796.5
CD70	NM_001252.5	*KEAP1*	NM_203500.2	*SEPTIN14*	NM_207366.3
CD74	NM_001025159.3	*KEL*	NM_000420.3	*SEPTIN2*	NM_004404.5
CD79A	NM_001783.4	*KIAA1549*	NM_001164665.2	*SEPTIN5*	NM_002688.6
CD79B	NM_000626.4	*KIF5B*	NM_004521.3	*SEPTIN6*	NM_145799.4
CDC42	NM_001791.4	*KIRREL1*	NM_018240.7	*SEPTIN8*	NM_001098811.2
CDC73	NM_024529.5	*KIT*	NM_000222.3	*SEPTIN9*	NM_001113491.2
CDH1	NM_004360.5	*KITLG*	NM_000899.5	*SERP2*	NM_001010897.3
CDH11	NM_001797.4	*KLC1*	NM_001394837.1	*SERPINB3*	NM_006919.3
CDK12	NM_016507.4	*KLF17*	NM_173484.4	*SERPINB4*	NM_002974.4
CDK2	NM_001798.5	*KLF2*	NM_016270.4	*SERPINE1*	NM_000602.5
CDK4	NM_000075.4	*KLF3*	NM_016531.6	*SESN1*	NM_014454.3
CDK6	NM_001145306.2	*KLF4*	NM_004235.6	*SESN2*	NM_031459.5
CDK8	NM_001260.3	*KLF5*	NM_001730.5	*SESN3*	NM_144665.4
CDKN1A	NM_000389.5	*KLF6*	NM_001300.6	*SET*	NM_003011.4

Targeted Gene Fusions for MayoComplete Targeted RNAseq Panel (continued)

Gene	Transcript	Gene	Transcript	Gene	Transcript
CDKN1B	NM_004064.5	*KLHL6*	NM_130446.4	*SETBP1*	NM_015559.3
CDKN2A	NM_000077.5	*KLK2*	NM_005551.5	*SETD1A*	NM_014712.3
CDKN2B	NM_004936.4	*KMT2A*	NM_001197104.2	*SETD1B*	NM_001353345.2
CDKN2C	NM_078626.3	*KMT2B*	NM_014727.3	*SETD2*	NM_014159.7
CDKN2D	NM_001800.4	*KMT2C*	NM_170606.3	*SETD3*	NM_032233.3
CDX1	NM_001804.3	*KMT2D*	NM_003482.4	*SETD4*	NM_017438.5
CDX2	NM_001265.6	*KMT5A*	NM_020382.7	*SETD5*	NM_001080517.3
CEBPA	NM_004364.5	*KNL1*	NM_144508.5	*SETD6*	NM_001160305.4
CENPA	NM_001809.4	*KNSTRN*	NM_033286.4	*SETD7*	NM_030648.4
CEP128	NM_152446.5	*KRAS*	NM_004985.5	*SETDB1*	NM_001366418.1
CEP170B	NM_001112726.3	*KSR2*	NM_173598.6	*SETDB2*	NM_001160308.3
CEP43	NM_007045.4	*KTN1*	NM_001079521.2	*SF3B1*	NM_012433.4
CHCHD7	NM_001011671.3	*LAMP1*	NM_005561.4	*SFMBT1*	NM_016329.4
CHD1	NM_001270.4	*LAMTOR1*	NM_017907.3	*SFPQ*	NM_005066.3
CHD2	NM_001271.4	*LARP4B*	NM_015155.3	*SFRP1*	NM_003012.5
CHD4	NM_001273.5	*LASP1*	NM_006148.4	*SFRP2*	NM_003013.3
CHEK1	NM_001114122.3	*LATS1*	NM_004690.4	*SFRP4*	NM_003014.4
CHEK2	NM_007194.4	*LATS2*	NM_014572.3	*SFRP5*	NM_003015.3
CHIC2	NM_012110.4	*LCK*	NM_005356.5	*SGK1*	NM_001143676.3
CHN1	NM_001822.7	*LCP1*	NM_002298.5	*SH2B3*	NM_005475.3
CHRM1	NM_000738.3	*LDB1*	NM_001113407.3	*SH2D1A*	NM_002351.5
CIAO1	NM_004804.3	*LEF1*	NM_016269.5	*SH3GL1*	NM_003025.4
CIC	NM_001386298.1	*LGR5*	NM_003667.4	*SHH*	NM_000193.4
CIITA	NM_000246.4	*LHFPL6*	NM_005780.3	*SHOC2*	NM_007373.4
CILK1	NM_014920.5	*LIFR*	NM_001127671.2	*SHQ1*	NM_018130.3
CITED2	NM_006079.5	*LMNA*	NM_170707.4	*SIX1*	NM_005982.4
CKS1B	NM_001826.3	*LMO1*	NM_002315.3	*SLC1A2*	NM_004171.4
CLCN6	NM_001286.5	*LMO2*	NM_005574.4	*SLC22A1*	NM_003057.3
CLIP1	NM_001247997.2	*LPP*	NM_001375462.1	*SLC26A11*	NM_001166347.2
CLIP2	NM_003388.5	*LRIG3*	NM_153377.5	*SLC26A6*	NM_022911.3
CLP1	NM_006831.3	*LRP1B*	NM_018557.3	*SLC29A1*	NM_001372327.1
CLRN3	NM_152311.5	*LRP5*	NM_002335.4	*SLC34A2*	NM_006424.3
CLTC	NM_004859.4	*LRP6*	NM_002336.3	*SLC44A1*	NM_080546.5
CLTCL1	NM_007098.4	*LRRK2*	NM_198578.4	*SLC45A3*	NM_033102.3
CMTR2	NM_018348.6	*LTB*	NM_002341.2	*SLC5A11*	NM_001352248.3
CNBP	NM_003418.5	*LTK*	NM_002344.6	*SLFN11*	NM_001376007.1
CNOT3	NM_014516.4	*LYL1*	NM_005583.5	*SLIT1*	NM_003061.3
CNTN6	NM_001289080.2	*LYN*	NM_002350.4	*SLIT2*	NM_004787.4
CNTRL	NM_007018.6	*LZTR1*	NM_006767.4	*SLX4*	NM_032444.4
COA5	NM_001008215.3	*MACF1*	NM_001394062.1	*SMAD2*	NM_005901.6
COL1A1	NM_000088.4	*MAD2L2*	NM_006341.4	*SMAD3*	NM_005902.4

Targeted Gene Fusions for MayoComplete Targeted RNAseq Panel (continued)

Gene	Transcript	Gene	Transcript	Gene	Transcript
COL1A2	NM_000089.4	*MAF*	NM_005360.5	*SMAD4*	NM_005359.6
COL2A1	NM_001844.5	*MAFB*	NM_005461.5	*SMARCA1*	NM_001282874.2
COL3A1	NM_000090.4	*MAGED1*	NM_006986.4	*SMARCA2*	NM_003070.5
COL6A3	NM_004369.4	*MAGI2*	NM_012301.4	*SMARCA4*	NM_003072.5
COP1	NM_022457.7	*MALAT1*	NR_002819.4	*SMARCA5*	NM_003601.4
COPA	NM_004371.4	*MALT1*	NM_006785.4	*SMARCAL1*	NM_014140.4
COX6C	NM_004374.4	*MAML1*	NM_014757.5	*SMARCB1*	NM_003073.5
CPS1	NM_001875.5	*MAML2*	NM_032427.4	*SMARCD1*	NM_003076.5
CRB1	NM_201253.3	*MAML3*	NM_018717.5	*SMARCE1*	NM_003079.5
CRB2	NM_173689.7	*MAMLD1*	NM_005491.5	*SMC1A*	NM_006306.4
CRBN	NM_016302.4	*MAP2K1*	NM_002755.4	*SMC3*	NM_005445.4
CREB1	NM_004379.5	*MAP2K2*	NM_030662.4	*SMG1*	NM_015092.5
CREB3L1	NM_052854.4	*MAP2K4*	NM_003010.4	*SMO*	NM_005631.5
CREB3L2	NM_194071.4	*MAP3K1*	NM_005921.2	*SMYD3*	NM_001167740.2
CREBBP	NM_004380.3	*MAP3K13*	NM_004721.5	*SNCAIP*	NM_005460.4
CRKL	NM_005207.4	*MAP3K14*	NM_003954.5	*SND1*	NM_014390.4
CRLF2	NM_022148.4	*MAP3K3*	NM_002401.5	*SNURF*	NM_001394334.1
CRTC1	NM_015321.3	*MAP3K4*	NM_005922.4	*SNX29*	NM_032167.5
CRTC3	NM_022769.5	*MAP3K6*	NM_004672.5	*SOCS1*	NM_003745.2
CSDE1	NM_001007553.3	*MAP3K7*	NM_145331.3	*SOCS2*	NM_001270471.2
CSF1	NM_000757.6	*MAP3K8*	NM_005204.4	*SOCS3*	NM_003955.5
CSF1R	NM_001288705.3	*MAP4K5*	NM_006575.6	*SOS1*	NM_005633.4
CSF3R	NM_000760.4	*MAPK1*	NM_002745.5	*SOX10*	NM_006941.4
CSNK1A1	NM_001892.6	*MAPK3*	NM_002746.3	*SOX17*	NM_022454.4
CSNK1D	NM_001893.6	*MAPKAP1*	NM_001006617.3	*SOX2*	NM_003106.4
CSNK1E	NM_152221.3	*MAST1*	NM_014975.3	*SOX9*	NM_000346.4
CTCF	NM_006565.4	*MAST2*	NM_015112.3	*SP140*	NM_007237.5
CTDNEP1	NM_001143775.2	*MAX*	NM_002382.5	*SP3*	NM_003111.5
CTLA4	NM_005214.5	*MBD6*	NM_052897.4	*SPECC1*	NM_001243439.2
CTNNA1	NM_001903.5	*MBOAT2*	NM_138799.4	*SPECC1L*	NM_015330.6
CTNNB1	NM_001904.4	*MBTD1*	NM_017643.3	*SPEN*	NM_015001.3
CTNNBL1	NM_030877.5	*MCL1*	NM_021960.5	*SPOP*	NM_001007228.2
CTR9	NM_014633.5	*MCPH1*	NM_024596.5	*SPRED1*	NM_152594.3
CUL1	NM_003592.3	*MDC1*	NM_014641.3	*SPRTN*	NM_032018.7
CUL3	NM_003590.5	*MDM2*	NM_002392.6	*SPTA1*	NM_003126.4
CUL4A	NM_001008895.4	*MDM4*	NM_002393.5	*SQSTM1*	NM_003900.5
CUTA	NM_001014840.2	*MDS2*	NR_167901.1	*SRC*	NM_198291.3
CUX1	NM_181552.4	*MEAF6*	NM_001270875.3	*SRF*	NM_003131.4
CXCR4	NM_003467.3	*MECOM*	NM_004991.4	*SRGAP3*	NM_014850.4
CXXC5	NM_016463.9	*MED12*	NM_005120.3	*SRMS*	NM_080823.4
CYLD	NM_001378743.1	*MEF2B*	NM_001145785.2	*SRSF2*	NM_001195427.2

Targeted Gene Fusions for MayoComplete Targeted RNAseq Panel (continued)

Gene	Transcript	Gene	Transcript	Gene	Transcript
CYP17A1	NM_000102.4	*MEF2C*	NM_002397.5	*SRSF3*	NM_003017.5
CYP19A1	NM_000103.4	*MEF2D*	NM_005920.4	*SS18*	NM_001007559.3
CYP39A1	NM_016593.5	*MEN1*	NM_001370259.2	*SS18L1*	NM_198935.3
CYSLTR2	NM_001308476.3	*MERTK*	NM_006343.3	*SSBP2*	NM_001256732.3
DAXX	NM_001141969.2	*MET*	NM_000245.4	*SSH2*	NM_001282129.2
DAZAP1	NM_018959.4	*MGA*	NM_001164273.2	*SSX1*	NM_005635.4
DAZL	NM_001351.4	*MGAM*	NM_001365693.1	*SSX2*	NM_175698.4
DCHS1	NM_003737.4	*MIA2*	NM_001329214.4	*SSX4*	NM_005636.4
DCHS2	NM_001358235.2	*MIB1*	NM_020774.4	*SSX4B*	NM_001034832.5
DCK	NM_000788.3	*MIDEAS*	NM_001367710.1	*ST6GAL1*	NM_173216.2
DCTN1	NM_004082.5	*MITF*	NM_001354604.2	*STAG1*	NM_005862.3
DCUN1D1	NM_020640.4	*MKI67*	NM_002417.5	*STAG2*	NM_001042750.2
DDB2	NM_000107.3	*MKNK1*	NM_001135553.4	*STAT1*	NM_007315.4
DDIT3	NM_004083.6	*MKRN1*	NM_013446.4	*STAT2*	NM_005419.4
DDR1	NM_001297654.2	*MLF1*	NM_001369783.1	*STAT3*	NM_139276.3
DDR2	NM_006182.4	*MLH1*	NM_000249.4	*STAT4*	NM_003151.4
DDX10	NM_004398.4	*MLLT1*	NM_005934.4	*STAT5A*	NM_001288718.2
DDX31	NM_022779.9	*MLLT10*	NM_001195626.3	*STAT5B*	NM_012448.4
DDX3X	NM_001356.5	*MLLT11*	NM_006818.4	*STAT6*	NM_003153.5
DDX4	NM_024415.3	*MLLT3*	NM_004529.4	*STIL*	NM_001048166.1
DDX41	NM_016222.4	*MLLT6*	NM_005937.4	*STK11*	NM_000455.5
DDX5	NM_004396.5	*MLXIP*	NM_014938.6	*STK19*	NM_004197.2
DDX6	NM_004397.6	*MLXIPL*	NM_032951.3	*STK3*	NM_006281.4
DEK	NM_003472.4	*MMP16*	NM_005941.5	*STK4*	NM_006282.5
DERL1	NM_024295.6	*MN1*	NM_002430.3	*STK40*	NM_001282547.2
DERL2	NM_016041.5	*MNT*	NM_020310.3	*STRN*	NM_003162.4
DGCR8	NM_022720.7	*MNX1*	NM_005515.4	*SUFU*	NM_016169.4
DHFR	NM_000791.4	*MOB1A*	NM_018221.5	*SULF2*	NM_001387048.1
DHH	NM_021044.4	*MOB1B*	NM_173468.4	*SUSD1*	NM_022486.5
DHX15	NM_001358.3	*MOB3B*	NM_024761.5	*SUZ12*	NM_015355.4
DICER1	NM_177438.3	*MPEG1*	NM_001039396.2	*SVOPL*	NM_001139456.2
DIP2C	NM_014974.3	*MPL*	NM_005373.3	*SYCP1*	NM_003176.4
DIS3	NM_014953.5	*MPRIP*	NM_001364716.4	*SYK*	NM_003177.7
DKK1	NM_012242.4	*MRE11*	NM_005591.4	*TACC1*	NM_006283.3
DKK2	NM_014421.3	*MRPS14*	NM_022100.3	*TACC2*	NM_206862.4
DKK3	NM_001018057.2	*MRTFA*	NM_020831.6	*TACC3*	NM_006342.3
DKK4	NM_014420.3	*MRTFB*	NM_001308142.2	*TADA2A*	NM_001166105.3
DNAJB1	NM_006145.3	*MSANTD3*	NM_080655.3	*TAF1*	NM_004606.5
DNER	NM_139072.4	*MSH2*	NM_000251.3	*TAF15*	NM_139215.3
DNM2	NM_001005361.3	*MSH3*	NM_002439.5	*TAF3*	NM_031923.4
DNMT1	NM_001130823.3	*MSH6*	NM_000179.3	*TAFAZZIN*	NM_000116.5

Targeted Gene Fusions for MayoComplete Targeted RNAseq Panel (continued)

Gene	Transcript	Gene	Transcript	Gene	Transcript
DNMT3A	NM_022552.5	*MSI1*	NM_002442.4	*TAL1*	NM_001290403.2
DNMT3B	NM_006892.4	*MSI2*	NM_138962.4	*TAL2*	NM_005421.3
DOT1L	NM_032482.3	*MSMB*	NM_002443.4	*TAOK1*	NM_020791.4
DROSHA	NM_001382508.1	*MSN*	NM_002444.3	*TAOK2*	NM_016151.4
DTX1	NM_004416.3	*MST1*	NM_020998.4	*TAOK3*	NM_016281.4
DUSP2	NM_004418.4	*MST1R*	NM_002447.4	*TAP1*	NM_000593.6
DUSP22	NM_001286555.3	*MTAP*	NM_002451.4	*TAP2*	NM_001290043.2
DUSP4	NM_001394.7	*MTCP1*	NM_001018025.4	*TBCEL*	NM_001363644.2
DUSP9	NM_001318503.2	*MTOR*	NM_004958.4	*TBL1XR1*	NM_024665.7
DUX4	NM_001306068.3	*MUC1*	NM_002456.6	*TBX3*	NM_005996.4
DVL2	NM_004422.3	*MUSK*	NM_005592.4	*TCEA1*	NM_006756.4
E2F1	NM_005225.3	*MUTYH*	NM_001048174.2	*TCF12*	NM_207037.2
E2F3	NM_001949.5	*MXD1*	NM_002357.4	*TCF3*	NM_003200.5
EBF1	NM_024007.5	*MXD3*	NM_031300.4	*TCF7*	NM_003202.5
ECT2L	NM_001077706.3	*MXD4*	NM_006454.3	*TCF7L1*	NM_031283.3
EED	NM_003797.5	*MYB*	NM_001130173.2	*TCF7L2*	NM_001367943.1
EGF	NM_001963.6	*MYBL1*	NM_001080416.4	*TCL1A*	NM_021966.3
EGFL7	NM_016215.5	*MYC*	NM_002467.6	*TCL1B*	NM_004918.4
EGFR	NM_005228.5	*MYCL*	NM_001033081.3	*TCL6*	NR_028288.2
EGR1	NM_001964.3	*MYCN*	NM_005378.6	*TEAD1*	NM_021961.6
EHF	NM_012153.6	*MYD88*	NM_002468.5	*TEAD2*	NM_001256660.2
EIF1AX	NM_001412.4	*MYH11*	NM_002474.3	*TEAD3*	NM_003214.4
EIF3E	NM_001568.3	*MYH13*	NM_003802.3	*TEC*	NM_003215.3
EIF3K	NM_013234.4	*MYH9*	NM_002473.6	*TECTA*	NM_005422.4
EIF4A1	NM_001416.4	*MYLK*	NM_053025.4	*TEK*	NM_000459.5
EIF4A2	NM_001967.4	*MYO18A*	NM_078471.4	*TENT5C*	NM_017709.4
EIF4E	NM_001968.5	*MYO5A*	NM_001382347.1	*TERC*	NR_001566.1
ELAVL3	NM_001420.4	*MYOD1*	NM_002478.5	*TERT*	NM_198253.3
ELF3	NM_004433.5	*NAB2*	NM_005967.4	*TET1*	NM_030625.3
ELF4	NM_001421.4	*NACA*	NM_001365896.1	*TET2*	NM_001127208.3
ELK4	NM_001973.4	*NACC2*	NM_144653.5	*TET3*	NM_001287491.2
ELL	NM_006532.4	*NADK*	NM_023018.5	*TFE3*	NM_006521.6
ELN	NM_000501.4	*NAV1*	NM_001389617.1	*TFEB*	NM_001271944.2
ELOC	NM_005648.4	*NBDY*	NM_001348129.2	*TFEC*	NM_012252.4
ELP2	NM_018255.4	*NBEAP1*	NR_027992.1	*TFG*	NM_006070.6
EML4	NM_019063.5	*NBN*	NM_002485.5	*TFPT*	NM_013342.4
EMSY	NM_001300942.2	*NCKIPSD*	NM_016453.4	*TFRC*	NM_001128148.3
EP300	NM_001429.4	*NCOA1*	NM_003743.5	*TG*	NM_003235.5
EP400	NM_015409.5	*NCOA2*	NM_006540.4	*TGFBR1*	NM_004612.4
EPAS1	NM_001430.5	*NCOA3*	NM_181659.3	*TGFBR2*	NM_003242.6
EPC1	NM_001272004.3	*NCOA4*	NM_001145263.2	*THADA*	NM_022065.5

Targeted Gene Fusions for MayoComplete Targeted RNAseq Panel (continued)

Gene	Transcript	Gene	Transcript	Gene	Transcript
EPCAM	NM_002354.3	*NCOR1*	NM_006311.4	*THBS1*	NM_003246.4
EPHA2	NM_004431.5	*NCOR2*	NM_006312.6	*THRAP3*	NM_005119.4
EPHA3	NM_005233.6	*NCSTN*	NM_015331.3	*TIPARP*	NM_015508.5
EPHA5	NM_001281766.3	*NDRG1*	NM_006096.4	*TLE1*	NM_005077.5
EPHA7	NM_004440.4	*NEGR1*	NM_173808.3	*TLE2*	NM_003260.5
EPHB1	NM_004441.5	*NELFE*	NM_002904.6	*TLE3*	NM_001105192.3
EPHB4	NM_004444.5	*NF1*	NM_001042492.3	*TLE4*	NM_007005.6
EPOR	NM_000121.4	*NF2*	NM_000268.4	*TLL2*	NM_012465.4
EPS15	NM_001981.3	*NFASC*	NM_001005388.3	*TLX1*	NM_005521.4
ERBB2	NM_004448.4	*NFATC1*	NM_001278669.2	*TLX3*	NM_021025.4
ERBB3	NM_001982.4	*NFATC2*	NM_012340.5	*TMCC1*	NM_001017395.5
ERBB4	NM_005235.3	*NFE2*	NM_001136023.3	*TMEM127*	NM_017849.4
ERC1	NM_178040.4	*NFE2L2*	NM_006164.5	*TMEM30A*	NM_018247.4
ERCC1	NM_001983.4	*NFIA*	NM_001134673.4	*TMPRSS2*	NM_005656.4
ERCC2	NM_000400.4	*NFIB*	NM_001190737.2	*TNFAIP3*	NM_001270508.2
ERCC3	NM_000122.2	*NFIX*	NM_001365902.3	*TNFRSF11A*	NM_003839.4
ERCC4	NM_005236.3	*NFKB2*	NM_001322934.2	*TNFRSF14*	NM_003820.4
ERCC5	NM_000123.4	*NFKBIA*	NM_020529.3	*TNFRSF17*	NM_001192.3
ERF	NM_006494.4	*NFKBIE*	NM_004556.3	*TNFSF11*	NM_003701.4
ERG	NM_182918.4	*NIN*	NM_020921.4	*TOP1*	NM_003286.4
ERO1A	NM_014584.3	*NKAIN2*	NM_001040214.3	*TOP2A*	NM_001067.4
ERRFI1	NM_018948.4	*NKX2-1*	NM_001079668.3	*TP53*	NM_000546.6
ESCO2	NM_001017420.3	*NKX3-1*	NM_006167.4	*TP53BP1*	NM_001141980.3
ESR1	NM_000125.4	*NOD1*	NM_006092.4	*TP63*	NM_003722.5
ESRP1	NM_017697.4	*NONO*	NM_007363.5	*TPM3*	NM_152263.4
ESRRA	NM_004451.5	*NOTCH1*	NM_017617.5	*TPM4*	NM_003290.3
ETAA1	NM_019002.4	*NOTCH2*	NM_024408.4	*TPR*	NM_003292.3
ETNK1	NM_018638.5	*NOTCH3*	NM_000435.3	*TPTE2*	NM_199254.3
ETS1	NM_001143820.2	*NOTCH4*	NM_004557.4	*TRAF1*	NM_005658.5
ETV1	NM_004956.5	*NPM1*	NM_002520.7	*TRAF2*	NM_021138.4
ETV4	NM_001079675.5	*NR4A3*	NM_006981.4	*TRAF3*	NM_145725.3
ETV5	NM_004454.3	*NRAS*	NM_002524.5	*TRAF5*	NM_001033910.3
ETV6	NM_001987.5	*NRF1*	NM_005011.5	*TRAF7*	NM_032271.3
EWSR1	NM_005243.4	*NRG1*	NM_013964.5	*TRIM11*	NM_145214.3
EXOSC6	NM_058219.3	*NSD1*	NM_022455.5	*TRIM24*	NM_015905.3
EXT1	NM_000127.3	*NSD2*	NM_001042424.3	*TRIM27*	NM_006510.5
EXT2	NM_207122.2	*NSD3*	NM_023034.2	*TRIM33*	NM_015906.4
EZH1	NM_001991.5	*NT5C2*	NM_001351169.2	*TRIP11*	NM_004239.4
EZH2	NM_004456.5	*NTHL1*	NM_002528.7	*TRIP13*	NM_004237.4
EZHIP	NM_203407.3	*NTN1*	NM_004822.3	*TRRAP*	NM_001375524.1
EZR	NM_001111077.2	*NTRK1*	NM_002529.4	*TSC1*	NM_000368.5

Targeted Gene Fusions for MayoComplete Targeted RNAseq Panel (continued)

Gene	Transcript	Gene	Transcript	Gene	Transcript
FAF1	NM_007051.3	*NTRK2*	NM_006180.6	*TSC2*	NM_000548.5
FAM114A2	NM_018691.4	*NTRK3*	NM_001012338.3	*TSHR*	NM_000369.5
FAM118B	NM_024556.4	*NUF2*	NM_145697.3	*TTL*	NM_153712.5
FAM131B	NM_001031690.3	*NUMA1*	NM_006185.4	*TTYH1*	NM_020659.4
FANCA	NM_000135.4	*NUMBL*	NM_004756.5	*TUSC3*	NM_006765.4
FANCC	NM_000136.3	*NUP107*	NM_020401.4	*TYK2*	NM_003331.5
FANCD2	NM_001018115.3	*NUP214*	NM_005085.4	*TYRO3*	NM_006293.4
FANCE	NM_021922.3	*NUP93*	NM_014669.5	*U2AF1*	NM_006758.3
FANCF	NM_022725.4	*NUP98*	NM_016320.5	*U2AF2*	NM_007279.3
FANCG	NM_004629.2	*NUTM1*	NM_001284292.2	*UACA*	NM_018003.4
FANCI	NM_001113378.2	*NUTM2A*	NM_001099338.2	*UBE2J2*	NM_058167.3
FANCL	NM_018062.4	*NUTM2B*	NM_001278495.2	*UBE2L3*	NM_003347.4
FAS	NM_000043.6	*OFD1*	NM_003611.3	*UBE3C*	NM_014671.3
FAT1	NM_005245.4	*OGA*	NM_012215.5	*UBR5*	NM_015902.6
FAT2	NM_001447.3	*OLIG2*	NM_005806.4	*UBTF*	NM_014233.4
FAT3	NM_001367949.2	*OMD*	NM_005014.3	*UEVLD*	NM_001040697.4
FAT4	NM_001291303.3	*OPHN1*	NM_002547.3	*UPF1*	NM_002911.4
FBXL18	NM_024963.6	*OSBPL9*	NM_024586.6	*USH1G*	NM_173477.5
FBXO11	NM_001190274.2	*P2RY8*	NM_178129.5	*USP6*	NM_001304284.2
FBXO31	NM_024735.5	*PACS1*	NM_018026.4	*USP8*	NM_005154.5
FBXO38	NM_205836.3	*PAFAH1B2*	NM_002572.4	*VAV1*	NM_005428.4
FBXW7	NM_001349798.2	*PAG1*	NM_018440.4	*VAV2*	NM_001134398.2
FCGR2B	NM_001394477.1	*PAK1*	NM_002576.5	*VCL*	NM_014000.3
FCHSD1	NM_033449.3	*PAK3*	NM_002578.5	*VEGFA*	NM_003376.6
FCRL4	NM_031282.3	*PAK5*	NM_177990.4	*VGLL1*	NM_016267.4
FERMT2	NM_006832.3	*PALB2*	NM_024675.4	*VGLL2*	NM_182645.3
FES	NM_002005.4	*PAN3*	NM_175854.8	*VGLL3*	NM_016206.4
FEV	NM_017521.3	*PARP1*	NM_001618.4	*VHL*	NM_000551.4
FGF1	NM_000800.5	*PARP2*	NM_001042618.2	*VTCN1*	NM_024626.4
FGF10	NM_004465.2	*PARP3*	NM_001003931.4	*VTI1A*	NM_145206.4
FGF12	NM_004113.6	*PASK*	NM_015148.4	*WAS*	NM_000377.3
FGF14	NM_004115.4	*PATZ1*	NM_014323.3	*WDCP*	NM_025203.3
FGF19	NM_005117.3	*PAX3*	NM_181458.4	*WDFY2*	NM_052950.4
FGF2	NM_001361665.2	*PAX5*	NM_016734.3	*WDR90*	NM_145294.5
FGF23	NM_020638.3	*PAX7*	NM_001135254.2	*WIF1*	NM_007191.5
FGF3	NM_005247.4	*PAX8*	NM_003466.4	*WNK1*	NM_213655.5
FGF4	NM_002007.4	*PBRM1*	NM_001350074.2	*WRN*	NM_000553.6
FGF5	NM_004464.4	*PBX1*	NM_002585.4	*WT1*	NM_024426.6
FGF6	NM_020996.3	*PBX3*	NM_006195.6	*WWC1*	NM_015238.3
FGF7	NM_002009.4	*PC*	NM_001040716.2	*WWP1*	NM_007013.4
FGF8	NM_033163.5	*PCBP1*	NM_006196.4	*WWTR1*	NM_015472.6

Targeted Gene Fusions for MayoComplete Targeted RNAseq Panel (continued)

Gene	Transcript	Gene	Transcript	Gene	Transcript
FGF9	NM_002010.3	*PCDHGA1*	NM_018912.3	*XBP1*	NM_005080.4
FGFR1	NM_023110.3	*PCLO*	NM_033026.6	*XIAP*	NM_001167.4
FGFR2	NM_000141.5	*PCM1*	NM_006197.4	*XPA*	NM_000380.4
FGFR3	NM_000142.5	*PCSK5*	NM_001372043.1	*XPC*	NM_004628.5
FGFR4	NM_213647.3	*PCSK7*	NM_004716.4	*XPO1*	NM_003400.4
FGR	NM_005248.3	*PDCD1*	NM_005018.3	*XRCC2*	NM_005431.2
FH	NM_000143.4	*PDCD10*	NM_007217.4	*YAP1*	NM_001130145.3
FHDC1	NM_001371116.1	*PDCD11*	NM_014976.2	*YES1*	NM_005433.4
FHIT	NM_002012.4	*PDCD1LG2*	NM_025239.4	*YPEL5*	NM_016061.3
FIP1L1	NM_030917.4	*PDE4DIP*	NM_001395426.1	*YWHAE*	NM_006761.5
FKBP15	NM_015258.2	*PDE8B*	NM_003719.5	*YY1*	NM_003403.5
FKBP1A	NM_000801.5	*PDGFA*	NM_033023.5	*YY1AP1*	NM_139119.3
FLCN	NM_144997.7	*PDGFB*	NM_002608.4	*ZBTB16*	NM_006006.6
FLI1	NM_002017.5	*PDGFD*	NM_025208.5	*ZBTB2*	NM_020861.3
FLT1	NM_002019.4	*PDGFRA*	NM_006206.6	*ZBTB20*	NM_001348800.3
FLT3	NM_004119.3	*PDGFRB*	NM_002609.4	*ZBTB7A*	NM_015898.4
FLT4	NM_182925.5	*PDK1*	NM_002610.5	*ZC3H7B*	NM_017590.6
FLYWCH1	NM_001308068.2	*PDPK1*	NM_002613.5	*ZC3HAV1*	NM_020119.4
FN1	NM_212482.4	*PDPN*	NM_006474.5	*ZCCHC7*	NM_032226.3
FNBP1	NM_015033.3	*PDS5B*	NM_015032.4	*ZFHX3*	NM_006885.4
FOS	NM_005252.4	*PER1*	NM_002616.3	*ZFP36*	NM_003407.5
FOSB	NM_006732.3	*PGBD5*	NM_001258311.2	*ZFP36L1*	NM_004926.4
FOXA1	NM_004496.5	*PGK1*	NM_000291.4	*ZFTA*	NM_001144936.2
FOXF1	NM_001451.3	*PGR*	NM_000926.4	*ZMYM2*	NM_197968.4
FOXL2	NM_023067.4	*PHF1*	NM_024165.3	*ZMYM3*	NM_201599.3
FOXO1	NM_002015.4	*PHF6*	NM_001015877.2	*ZNF217*	NM_006526.3
FOXO3	NM_001455.4	*PHKB*	NM_000293.3	*ZNF24*	NM_006965.4
FOXO4	NM_005938.4	*PHOX2B*	NM_003924.4	*ZNF331*	NM_001079906.2
FOXP1	NM_001349338.3	*PICALM*	NM_007166.4	*ZNF346*	NM_012279.4
FOXR1	NM_181721.3	*PIERCE2*	NM_001198784.2	*ZNF384*	NM_001385745.1
FOXR2	NM_198451.4	*PIGA*	NM_002641.4	*ZNF444*	NM_018337.4
FRK	NM_002031.3	*PIK3C2B*	NM_001377334.1	*ZNF521*	NM_015461.3
FRS2	NM_001278356.2	*PIK3C2G*	NM_001288772.2	*ZNF585B*	NM_152279.4
FRZB	NM_001463.4	*PIK3C3*	NM_002647.4	*ZNF687*	NM_020832.3
FSTL3	NM_005860.3	*PIK3CA*	NM_006218.4	*ZNF700*	NM_144566.3
FUBP1	NM_003902.5	*PIK3CB*	NM_006219.3	*ZNF703*	NM_025069.3
FURIN	NM_002569.4	*PIK3CD*	NM_005026.5	*ZNF750*	NM_024702.3
FUS	NM_004960.4	*PIK3CG*	NM_001282426.2	*ZNRF3*	NM_001206998.2
FXR1	NM_005087.4	*PIK3R1*	NM_181523.3	*ZRSR2*	NM_005089.4
FYCO1	NM_024513.4	*PIK3R2*	NM_005027.4	*ZSCAN30*	NM_001112734.4